

**D. Curing**

Cure as specified in Subsection 500.3.05.Z, “Cure Concrete,” and as follows if an approved membrane-forming curing compound is used.

1. Use a Type 1, Class B curing compound.
  2. Uniformly spray the concrete surface with curing compound immediately after obtaining the surface finish.
- Applying protective surface treatment to the barrier or parapet surfaces is not required.

**621.3.06 Quality Acceptance**

General Provisions 101 through 150.

**621.3.07 Contractor Warranty and Maintenance**

General Provisions 101 through 150.

**621.4 Measurement**

The barrier is measured for payment in linear feet (meters) of each accepted type shown on the Plans. The barrier is measured along the top of the various types.

Side barriers are measured for payment in linear feet (meters) of each accepted type shown on the Plans. The barrier is measured along the top of the various types.

Barriers on bridges are measured separately for payment, as defined in Subsection 500.4.01.C.

Barriers placed on approach slabs are measured for payment as defined in Section 433.

**621.4.01 Limits**

General Provisions 101 through 150.

**621.5 Payment**

This work, measured as specified above, will be paid for at the Contract Unit Price per linear foot (meter) for each barrier type. Payment is full compensation for providing materials, forms, and equipment; preparing subgrade and base; and providing labor, incidentals, and direction to complete the work.

Payment will be made under:

Item No. 621	Concrete barrier, (“ <u>type</u> ”)	Per linear foot (meters)
Item No. 621	Concrete side barrier, (“ <u>type</u> ”)	Per linear foot (meters)

**621.5.01 Adjustments**

General Provisions 101 through 150.

## **Section 622—Precast Concrete Barrier**

**622.1 General Description**

This work provides for Method 3 precast concrete barriers according to Plan dimensions and locations.

**622.1.01 Definitions**

Method 3—Method of furnishing, placing, maintaining, moving, and reusing where required, and removing precast concrete barrier of the length and at the locations shown on the Plans.

**622.1.02 Related References****A. Standard Specifications**

Section 500—Concrete Structures

**B. Referenced Documents**

General Provisions 101 through 150.

**622.1.03 Submittals**

General Provisions 101 through 150.

**622.2 Materials**

Ensure that materials are according to the Standard Specifications and Plan details. Used barrier that meets the requirements of the Plans and Specifications may be used.

**622.2.01 Delivery, Storage, and Handling**

Do not lift barrier units with the end (connector) loops. Use a sling or fork system.

Repair damage to the connector loops and barrier unit during handling at no additional expense to the Department prior to acceptance for use by the Department.

Barrier units that are no longer required and removed become the property of the Contractor.

**622.3 Construction Requirements****622.3.01 Personnel**

General Provisions 101 through 150.

**622.3.02 Equipment**

General Provisions 101 through 150.

**622.3.03 Preparation**

General Provisions 101 through 150.

**622.3.04 Fabrication**

Perform barrier fabrication as detailed on the Plans.

Finish according to Subsection 500.3.05.AB.1, “Type I—Ordinary Formed Surface Finish.”

**622.3.05 Construction**

Handle and transport units to prevent damage. When required, use units at one or more sites on the same project.

Ensure that the units are complete and in acceptable condition and located where designated on the Plans or directed by the Engineer before acceptance by the Department.

Use the Plan quantity of barrier effectively to complete The Work within the Contract time. If scheduling The Work requires an additional barrier, furnish it at the Contractor’s expense.

**622.3.06 Quality Acceptance**

General Provisions 101 through 150.

**622.3.07 Contractor Warranty and Maintenance**

General Provisions 101 through 150.

**622.4 Measurement**

This work is measured in linear feet (meters) of accepted precast concrete barrier delivered and used, subject to the maximum amount specified in Subsection 622.3.05.

**622.4.01 Limits**

General Provisions 101 through 150.

**622.5 Payment**

This work will be paid for at the Contract Unit Price per linear foot (meter) of precast concrete barrier Method 3 as designated complete in place. Payment includes fabrication, use, reuse, and removal of the units.

No separate payment will be made for reusing units during the work or for using additional units beyond the Plan quantity to facilitate the construction schedule.

The first 75 percent of the Contract Unit Price bid will be paid on the first monthly estimate following initial delivery, installation, and acceptance.

The remaining 25 percent will be paid when the Project is complete or when the material is no longer needed and removed from the Project, whichever applies.

Payment will be made under:

Item No. 622	Precast concrete median barrier, method no.3	Per linear foot (meter)
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### **622.5.01 Adjustment**

General Provisions 101 through 150.

## **Section 623—Pneumatically Applied Concrete**

### **623.1 General Description**

This item includes manufacturing and pneumatically placing concrete at locations and to the dimensions shown on the Plans. Follow the requirements of Section 441 and Section 500 for this work.

#### **623.1.01 Definitions**

General Provisions 101 through 150.

#### **623.1.02 Related References**

##### **A. Standard Specifications**

Section 441—Miscellaneous Concrete

Section 500—Concrete Structures

Section 800—Coarse Aggregate

Section 801—Fine Aggregate

Section 830—Portland Cement

Section 832—Curing Agents

Section 833—Joint Fillers and Sealers

Section 853—Reinforcement and Tensioning Steel

Section 880—Water

##### **B. Referenced Documents**

General Provisions 101 through 150.

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#### **623.1.03 Submittals**

General Provisions 101 through 150.

### **623.2 Materials**

Use materials that meet the requirements of these Specifications:

<b>Material</b>	<b>Section</b>
Coarse Aggregate: Class A or B Stone	800
Portland cement	830
Fine Aggregate, Size No. 10	801
Water	880
Preformed Joint Filler	833.2.01
Hot Poured Joint Filler	833.2.02